

Recombinant Full Length Human GPBAR1 Protein, GST-tagged

Cat. No. GPBAR1-658HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GPBAR1(1 a.a. - 330 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	330 amino acids
Description	This gene encodes a member of the G protein-coupled receptor (GPCR) superfamily. This enzyme functions as a cell surface receptor for bile acids. Treatment of cells expressing this GPCR with bile acids induces the production of intracellular cAMP, activation of a MAP kinase signaling pathway, and internalization of the receptor. The receptor is implicated in the suppression of macrophage functions and regulation of energy homeostasis by bile acids. Alternative splicing results in multiple transcript variants encoding the same protein.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	62.04 kDa
AA Sequence	MTPNSTGEVP SPIPKGALGL SLALASLIIT ANLLLALGIA WDRRLRSPPA GCFFLSLLLA GLLTGLALPT LPGLWNQSRR GYWSCLLVYL APNFSFLSLL ANLLLVHGER YMAVLRPLQP PGSIRLALLL TWAGPLL FAS LPALGWNHWT

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PGANCSSQAI FPAPYLYLEV YGLLLPAVGA AAFLSVRVLA TAHRQLQDIC
 RLERAVCRDE PSALARALTW RQARAQAGAM LLFGLCWGPY VATLLLSVLA
 YEQRPLPGPG TLLSLLSLGS ASAAAVPVAM GLGDQRYTAP WRAAAQRCLQ
 GLWGRASRDS PGPSIAYHPS SQSSVDLDLN

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

GPBAR1 G protein-coupled bile acid receptor 1 [Homo sapiens]

Official Symbol

GPBAR1

Synonyms

BG37; TGR5; M-BAR; GPCR19; GPR131

Gene ID

151306

mRNA Refseq

NM_170699.2

Protein Refseq

NP_733800.1

MIM

610147

UniProt ID

Q8TDU6

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